(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 27 May 2004 (27.05.2004)

PCT

(10) International Publication Number-WO 2004/044323 A1

(51) International Patent Classification⁷: B05D 1/06

D21H 19/00,

(21) International Application Number:

PCT/F12003/000867

(22) International Filing Date:

14 November 2003 (14.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

20022034

14 November 2002 (14.11.2002) F

- (71) Applicant (for all designated States except US): METSO PAPER, INC. [FI/FI]; Fabianinkatu 9 A, FIN-00130 Helsinki (FI).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MAIJALA, Juha [FI/FI]; Messukylänkatu 37 B 12, FIN-33700 Tampere (FI). PUTKISTO, Kalsa [FI/FI]; Poukamankatu 7 C 8, FIN-33720 Tampere (FI). HAKOLA, Jyrki [FI/FI]; Poukantie 3, FIN-04400 Järvenpää (FI). GRÖN, Johan [FI/FI]; Vesiniityntie 6 A, FIN-02360 Espoo (FI). LIP-PONEN, Juha [FI/FI]; Runoilijantie 5 A 3, FIN-40270 Palokka (FI).

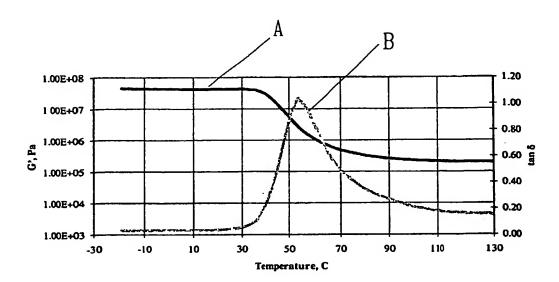
- (74) Agent: TAMPEREEN PATENTTITOIMISTO OY; Hermiankatu 12 B, FIN-33720 Tampere (FI).
- (81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT (utility model), PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: PROCESS FOR COATING A WEB WITH A COATING POWDER



(57) Abstract: The present invention relates to a method for coating a surface of a web, with a dry coating powder. The coating powder comprises inorganic material and polymeric binder material. The polymeric binder material is selected in such a manner that when increasing the temperature above the glass transition temperature the ratio G''/G' is at the most equal to the ratio G''/G' in the glass transition temperature.